

Kruse David

RE-RUN

#9

ENTERED



RAW SEQUENCE LISTING

DATE: 04/08/2003

PATENT APPLICATION: US/09/921,922A

TIME: 09:22:17

Input Set : N:\Crf4\04072003\I921922A.raw

Output Set: N:\CRF4\04082003\I921922A.raw

1 <110> APPLICANT: Aventis Crop Science, N.V.
2 Trolinder, Linda
3 Gwyn, Jefferson
4 De Beuckeleer, Marc
5 <120> TITLE OF INVENTION: Herbicide Tolerant Cotton Plants and Methods for Producing
and
6 Identifying Same
7 <130> FILE REFERENCE: 58764.000033
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/921,922A
9 <141> CURRENT FILING DATE: 2001-08-06
10 <160> NUMBER OF SEQ ID NOS: 18
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 850
15 <212> TYPE: DNA
16 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
18 <223> OTHER INFORMATION: sequence comprising 5' flanking region
19 <400> SEQUENCE: 1
20 aaaggggatg agattgaatg ttaccttatac aacaaaagga gttgtagctc atggaacaac 60
21 aatagtcttt tccacgaaa cctagatgat gtttctccaa tgcttgataa atctttaaca 120
22 ttgtcatcat aagttgcaac ctcatgtttc acacaagcat caatcaaagt ttgatcttca 180
23 ttactaaaat gtgcttgatc ctctcttaca caaatctacc tatgttggtg tattttgttc 240
24 tattcatcat tctaacaagt tttgcaattg agttgaactt ctccaatct cgtatcagcc 300
25 tataatagtg ggggtctaata tgtccatttt tcccacaata atgacatata atctttctaa 360
26 agcttttatt ctctgcctta tgatgaaaag aacccaaatt tttaacttta acaaaaataa 420
27 gatgagcgat aggttcttca cttttattga tgtaaccaag tcctctatgg catggttcaa 480
28 ttctcattga agccaaaatt tcatgaaact tctcacattg gcctctaaac ttcttcaaga 540
29 tagcctttgc accatctagc tcaactcttg ttgttttcaa aacatcatcc gtttcttgga 600
30 ccacaatttt gagcttttca ttttctattt tgaggataat agtttattec ctcaagggaac 660
31 tattcaactg agcttaacag tactcgccgc tgcaccgagg taccgggaat tccaatccca 720
32 caaaaatctg agcttaacag cacagttgct cctctcagag cagaatcggg tattcaacac 780
33 cctcatatca actactacgt tgtgtataac ggtccacatg ccggtatata cgatgactgg 840
34 ggttgtaaca 850
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 20
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: primer GHI06
42 <400> SEQUENCE: 2
43 ttgcaccatc tagctcactc 20
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 21

RAW SEQUENCE LISTING

DATE: 04/08/2003

PATENT APPLICATION: US/09/921,922A

TIME: 09:22:17

Input Set : N:\Cr4\04072003\I921922A.raw

Output Set: N:\CRF4\04082003\I921922A.raw

```

47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: primer GHI05
51 <400> SEQUENCE: 3
52     ggaccggttat acacaacgta g                                     21
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 426
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: sequence comprising 3' flanking region
60 <400> SEQUENCE: 4
61     gattagagtc cgcgaattat acattttaata cgcgatagaa aacaaaatat agcgcgcgcaaa      60
62     ctaggataaa ttatcgcgcg cggtgtcatc tatgttacta gatcgggaag atcctctaga      120
63     gtgcacctgc aggcattgcaa gcttagatcc atggagccat ttacaattga atatatcctc      180
64     caaatattta aaaagaatat caccattatc cgaatcttct ttaaaatctg ttagaacacg      240
65     gtttggaata gtggtagtaa aagtaacata gttgctcgca tcttgatcta cattaaactt      300
66     tcttcacac tcgaagtgat tgtaaatac ttctatttct tcttagtatt agcacattct      360
67     aattttaagt gaaacaatcc cttacattca taacattgaa tatccttcta tcattctaca      420
68     gcacga                                     426
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 961
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: sequence comprising insertion region
76 <400> SEQUENCE: 5
77     aaaggggatg agattgaatg ttaccttatt aacaaaagga gttgtagctc atggaacaac      60
78     aatagtcttt tccacggaaa cctagatgat gtttctccaa tgcttgataa atctttaaca      120
79     ttgtcatcat aagttgcaac ctcatgtttc acacaagcat caatcaaattg ttgatcttca      180
80     ttactaaaat gtgcttgatc cttccttaca caaatctacc tatgttggtg tattttgttc      240
81     tattcatcat tctaacaagt tttgcaattg agttgaactt cttccaatct cgtatcagcc      300
82     tataatagtg ggggtctaata tgtccatttt tcccacaata atgacatata atctttctaa      360
83     agcttttatt ctctgcctta tgatgaaaag aacccaaatc ttttaacttta acaaaaataa      420
84     gatgagcgat aggttcttca cctttattga tgtaaccaag tctctatagg catgggttcaa      480
85     ttctcattga agccaaaatt tcatgaaact tctcacattg gcctctaaac ttcttcaaga      540
86     tagcctttgc accatctagc tcaactcttg ttgttttcaa aacatcatcc gtttcttgga      600
87     ccacaatttt gagcttttca ttttctattt tgaggataat agtttattcc ctcaagggaac      660
88     tattcaactg agcttaaata tcaatttttt ttaacatatg actataagta tcctccaaat      720
89     atttaaaaag aatatcacca ttatccgaat cttcttttaa atctgttaga acacgggttg      780
90     gaatagtggg agtaaaaagta acatagttgc tcgcatcttg atctacatta aactttcttc      840
91     atcactccaa gtgattgtaa atgacttcta tttcttctta gtattagcac attctaattt      900
92     taagtgaaac aatcccttac attcataaca ttgaatatcc ttctatcatc tcacagcacg      960
93     a                                     961
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 9555
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 04/08/2003

PATENT APPLICATION: US/09/921,922A

TIME: 09:22:17

Input Set : N:\Crf4\04072003\I921922A.raw

Output Set: N:\CRF4\04082003\I921922A.raw

99 <220> FEATURE:

100 <223> OTHER INFORMATION: plasmid pGSV71

101 <400> SEQUENCE: 6

102	agattcgaag	ctcggtcccg	tgggtgttct	gtcgtctcgt	tgtacaacga	aatccattcc	60
103	cattccgcgc	tcaagatggc	ttcccctcgg	cagttcatca	gggctaaatc	aatctagccg	120
104	acttgctccg	tgaaatgggc	tgcactccaa	cagaaacaat	caaacaaaca	tacacagcga	180
105	cttattcaca	cgcgacaaat	tacaacggta	tatatcctgc	cagtactcgg	ccgtcgaccg	240
106	cgggtaccgg	aattccaatc	ccacaaaaat	ctgagcttaa	cagcacagtt	gtcctctca	300
107	gagcagaatc	gggtattcaa	caccctcata	tcaactacta	cgttggtgat	aacgggtccac	360
108	atgccgggat	atacgatgac	tgggggttgta	caaaggcggc	aacaaacggc	gttcccggag	420
109	ttgcacacaa	gaaatttgcc	actattacag	aggcaagagc	agcagctgac	gcgtacacaa	480
110	caagtcagca	aacagacagg	ttgaacttca	tccccaaagg	agaagctcaa	ctcaagccca	540
111	agagctttgc	taaggcccta	acaagcccac	caaagcaaaa	agcccactgg	ctcacgctag	600
112	gaaccaaagg	gcccagcagt	gatccagccc	caaaagagat	ctcctttgcc	ccggagatta	660
113	caatggacga	tttctcttat	ctttacgata	taggaaggaa	gttcgaaggt	gaaggtgacg	720
114	acactatggt	caccactgat	aatgagaagg	ttagcctctt	caatttcaga	aagaatgctg	780
115	acccacagat	ggttagagag	gcctacgcag	caggtctcat	caagacgata	taccgagta	840
116	acaatctcca	ggagatcaaa	taccttccca	agaagggtta	agatgcagtc	aaaagattca	900
117	ggactaattg	catcaagaac	acagagaaag	acataattct	caagatcaga	agtactattc	960
118	cagtatggac	gattcaaggc	ttgcttcata	aaccaaggca	agtaatagag	attggagtct	1020
119	ctaaaaaggt	agttcctact	gaatctaagg	ccatgcattg	agtctaagat	tcaaatcgag	1080
120	gatctaacag	aactcgccgt	gaagactggc	gaacagttca	tacagagtct	tttacgactc	1140
121	aatgacaaga	agaaaatctt	cgtcaacatg	gtggagcacg	acactctggg	ctactccaaa	1200
122	aatgtcaaag	atacagctct	agaagaccaa	agggctattg	agacttttca	acaaaggata	1260
123	atttcgggaa	acctcctcgg	attccattgc	ccagctatct	gtcacttcat	cgaaaggaca	1320
124	gtagaaaagg	aaggtgggtc	ctacaaatgc	catcattgcg	ataaaggaaa	ggctatcatt	1380
125	caagatgcct	ctgccgacag	tgggtcccaa	gatggacccc	caccacagag	gagcatcgty	1440
126	gaaaaagaag	acgttccaac	cacgtcttca	aagcaagtgg	attgatgtga	catctccact	1500
127	gacgtaaggg	atgacgcaca	atcccactat	ccttcgcaag	acccttctct	tatataagga	1560
128	agttcatttc	atttgagag	gacacgctga	aatcaccagt	ctctctctat	aaatctatct	1620
129	ctctctctat	aaccatggac	ccagaacgac	gcccggccga	catccgccgt	gccaccgagg	1680
130	cggacatgcc	ggcggctcgc	accactgtca	accactacat	cgagacaagc	acgggtcaact	1740
131	tccgtaccga	gccgcaggaa	ccgcaggagt	ggacggacga	cctcgtccgt	ctgcggggagc	1800
132	getatccctg	gctcgtcgcc	gaggtggacg	gcgaggtcgc	cggcctcgcc	tacgcggggc	1860
133	cctggaaggc	acgcaacgcc	tacgactgga	cggccgagtc	gaccgtgtac	gtctcccccc	1920
134	gccaccagcg	gacgggactg	ggctccacgc	tctacaccca	cctgctgaag	tccttgaggg	1980
135	cacagggcct	caagagcgtg	gtcgtgtgca	tccggctgcc	caacgacccg	agcgtgcgca	2040
136	tgcacgaggc	gtcgggatat	gccccccgcg	gcatgctgcg	ggcggccggc	ttcaagcacg	2100
137	ggaactggca	tgacgtgggt	ttctggcagc	tggacttcag	cctgccggta	ccgcctccgtc	2160
138	cggctcctgc	cgtcaccgag	atctgagatc	acgcgttcta	ggatccgaag	cagatcgttc	2220
139	aaacatttgg	caataaagtt	tcttaagatt	gaatcctggt	gccgggtctt	cgatgattat	2280
140	catataatth	ctggtgaatt	acgttaagca	tgtaataatt	aacatgtaat	gcatgacgtt	2340
141	atttatgaga	tgggttttta	tgattagagt	cccgcatta	tacatttaat	acgcgataga	2400
142	aaacaaaata	tagcgcgcaa	actaggataa	attatcgccg	gcgggtgtcat	ctatgttact	2460
143	agatcgggaa	gatectctag	agtcgacctg	caggcatgca	agcttagatc	catggagcca	2520
144	tttacaattg	aataatacct	gccgcgctg	ccgctttgca	cccgggtggag	cttgcatggt	2580
145	ggtttctacg	cagaactgag	ccggttaggc	agataatttc	cattgagaac	tgagccatgt	2640
146	gcaccttccc	cccaacacgg	tgagcgacgg	ggcaacggag	tgatccacat	gggactttta	2700
147	aacatcatcc	gtcggatggc	gttgcgagag	aagcagtcga	tccgtgagat	cagccgacgc	2760

RAW SEQUENCE LISTING

DATE: 04/08/2003

PATENT APPLICATION: US/09/921,922A

TIME: 09:22:17

Input Set : N:\Cr4\04072003\I921922A.raw

Output Set: N:\CRF4\04082003\I921922A.raw

148	accgggagc	cgcgcaacac	gategcaaa	tatttgaac	caggtacaat	cgagccgac	2820
149	ttcacggtag	cggaacgacc	aagcaagcta	gcttagtaaa	gccctcgcta	gattttaatg	2880
150	cggatgttgc	gattacttcg	ccaactattg	cgataacaag	aaaaagccag	cctttcatga	2940
151	tatatctccc	aatttgtgta	gggcttatta	tgcacgctta	aaaataataa	aagcagactt	3000
152	gacctgatag	tttggctgtg	agcaattatg	tgcttagtgc	atctaacgct	tgagttaagc	3060
153	cgcgccgcga	agcggcgtcg	gcttgaacga	attgttagac	attatttgcc	gactaccttg	3120
154	gtgatctcgc	ctttcacgta	gtggacaaat	tcttccaact	gatctgcgcg	cgaggccaag	3180
155	cgatcttctt	cttgtccaag	ataagcctgt	ctagcttcaa	gtatgacggg	ctgatactgg	3240
156	gccggcaggc	gctccattgc	ccagtcggca	gcgacatcct	tcggcgcgat	tttgccgggtt	3300
157	actgcgctgt	accaaagtcg	ggacaacgta	agcactacat	ttcgctcctc	gccagcccag	3360
158	tcggggcgcg	agttccatag	cgtaaggtt	tcatttagcg	cctcaaatag	atcctgttca	3420
159	ggaaccggat	caaagagttc	ctccgcgcgt	ggacctacca	aggcaacgct	atgttctctt	3480
160	gcttttgtca	gcaagatagc	cagatcaatg	tcgatcgtgg	ctggctcgaa	gataacctgca	3540
161	agaatgtcat	tgcgtgcga	ttctccaaat	tgcagttcgc	gcttagctgg	ataacgccac	3600
162	ggaatgatgt	cgtcgtgcac	aacaatgggt	acttctacag	cgcgagagaat	ctcgtctctt	3660
163	ccaggggaag	ccgaagtttc	caaaaggtcg	ttgatcaaa	ctcgccgcgt	tgtttcatca	3720
164	agccttacgg	tcaccgtaac	cagcaaatca	atatcactgt	gtggcttcag	gccgccatcc	3780
165	actgcggagc	cgtacaaatg	tacggccagc	aacgtcgggt	cgagatggcg	ctcgatgacg	3840
166	ccaactacct	ctgatagtgt	agtcgatact	tcggcgatca	ccgcttccct	catgatgttt	3900
167	aaactttgtt	tagggcgact	gccctgctgc	gtaacatcgt	tgctgctcca	taacatcaaa	3960
168	catcgaccca	cggcgtaacg	cgcttgctgc	ttggatgccc	gaggcataga	ctgtacccca	4020
169	aaaaaacagt	cataacaagc	catgaaaacc	gccactgcgc	cgttaccacc	gctgcgttcg	4080
170	gtcaagggtt	tggaccagtt	gcgtgagcgc	atacgtact	tgcattacag	cttacgaacc	4140
171	gaacaggctt	atgtccactg	ggttcgtgcc	ttcatccgtt	tccacgggtg	gcgtcacccg	4200
172	gcaaccttgg	gcagcagcga	agtcgaggca	tttctgtcct	ggctggcgaa	cgagcgcaag	4260
173	gtttcggtct	ccacgcctcg	tcaggcattg	gcggccttgc	tgttcttcta	cggaagtgcc	4320
174	tgtgcacgga	tctgccctgg	cttcaggaga	tcggaagacc	tcggccgtcc	gggcgcttgc	4380
175	cgggtggtgt	gaccccggt	gaagtgggtt	gcctcctcgg	ttttctggaa	ggcgagcctc	4440
176	gtttgttcgc	ccagcttctg	tatggaacgg	gcctgcggat	cagtgagggg	ttgcaactgc	4500
177	gggtcaagga	tctggatttc	gatcacggca	cgatcctcgt	gcgggagggc	aaggagctcca	4560
178	aggatcgggc	cttgatgtta	cccagagcgt	tggcaccacg	cctgcgcgag	cagggatcga	4620
179	tccaacccct	ccgctgctat	agtgagtcg	gcttctgacg	ttcagtgacg	ccgtcttctg	4680
180	aaaacgacat	gtcgcacaag	tcctaagtta	cgcgacaggc	tgccgccctg	cccttttctt	4740
181	ggcggtttct	tgctcgctgt	tttagtcgca	taaagtagaa	tacttgcgac	tagaacggga	4800
182	gacattacgc	catgaacaag	agcgccgcgc	ctggcctgct	gggctatgcc	cgcgctcagca	4860
183	ccgacgacca	ggacttgacc	aaccaacggg	ccgaactgca	cgcgcccgcc	tgaccaagc	4920
184	tgttttccga	gaagatcacc	ggcaccaggg	gcgaccgccc	ggagctggcc	aggatgcttg	4980
185	accacctacg	ccctggcgac	gttgtagacg	tgaccagget	agaccgcctg	gcccgcagca	5040
186	cccgcgacct	actggacatt	gccgagcgca	tccaggaggc	cggcgcgggc	ctgcgtagcc	5100
187	tggcagagcc	gtgggcccgc	accaccacgc	cggccggccg	catggtgttg	accgtgttcg	5160
188	ccggcattgc	cgagttcgag	cgttccctaa	tcatcgaccg	caccgcggag	gggcgcgagg	5220
189	ccgccaaggc	ccgaggcggt	aagtttgccc	cccgccttac	cctcaccccg	gcacagatcg	5280
190	cgcacgcccg	cgagctgac	gaccaggaag	gccgcaccgt	gaaagaggcg	gctgcaactgc	5340
191	ttggcgtgca	tcgctcgacc	ctgtaccgcg	cacttgagcg	cagcgaggaa	gtgacgccc	5400
192	ccgaggccag	gcggcgcggt	gccttccgtg	aggacgcatt	gaccgaggcc	gacgcccctg	5460
193	cggccgcccga	gaatgaacgc	caagagggaac	aagcatgaaa	ccgcaccagg	acggccagga	5520
194	cgaaccgttt	ttcattaccg	aagagatcga	ggcgagatg	atcgcgcccg	ggtacgtgtt	5580
195	cgagccgccc	gcgcacgtct	caaccgtgcg	gctgcattgaa	atcctggccg	gtttgtctga	5640
196	tgccaagctg	gcggcctggc	cggccagctt	ggccgctgaa	gaaaccgagc	gccgcgctct	5700

RAW SEQUENCE LISTING

DATE: 04/08/2003

PATENT APPLICATION: US/09/921,922A

TIME: 09:22:17

Input Set : N:\Crf4\04072003\I921922A.raw

Output Set: N:\CRF4\04082003\I921922A.raw

197	aaaaaggtga	tgtgtatttg	agtaaaacag	cttgogtcat	gcggtegetg	cgtatatgat	5760
198	gcgatgagta	aataaaca	tacgcaaggg	gaacgcata	aggttatcgc	tgtacttaac	5820
199	cagaaaggcg	ggtcaggcaa	gacgaccatc	gcaacccatc	tagcccgcgc	cctgcaactc	5880
200	gccggggccg	atgttctgtt	agtcgattcc	gateccccag	gcagtgcgcc	cgattggggc	5940
201	gccgtgcggg	aagatcaacc	gctaaccgtt	gtcggcatcg	accgcccagc	gattgaccgc	6000
202	gacgtgaagg	ccatcgcccg	gcgcgacttc	gtagtgatcg	acggagcgcc	ccaggcgggc	6060
203	gacttggtcg	tgtccgcgat	caaggcagcc	gacttcgtgc	tgattccggt	gcagccaagc	6120
204	ccttacgaca	tatgggccac	cgccgacctg	gtggagctgg	ttaagcagcg	cattgaggtc	6180
205	acggatggaa	ggctacaagc	ggcctttgtc	gtgtcgcggg	cgatcaaagg	cacgcgcata	6240
206	ggcgggtgag	ttgccgaggc	gctggccggg	tacgagctgc	ccattcttga	gtcccgtatc	6300
207	acgcagcgcg	tgagctaccc	aggcactgcc	gccgcccggc	caaccgttct	tgaatcagaa	6360
208	cccagggggc	acgctgcccc	cgaggctccag	gcgctggccg	ctgaaattaa	atcaaaactc	6420
209	atttgagtta	atgaggtaaa	gagaaaaatg	gcaaaagcac	aaacacgcta	agtgcggggc	6480
210	gtccgagcgc	acgcagcagc	aaggctgcaa	cgttggccag	cctggcagac	acgccagcca	6540
211	tgaagcgggt	caactttcag	ttgccggcgg	aggatcacac	caagctgaag	atgtacgcgg	6600
212	tacgccaagg	caagaccatt	accgagctgc	tatctgaata	catcgcgtag	ctaccagagt	6660
213	aaatgagcaa	atgaataaat	gagtagatga	attttagcgg	ctaaaggagg	cggcattgaa	6720
214	aatcaagaac	aaccaggcac	cgacgcctgt	gaatgcccc	tgtgtggagg	aacgggctgt	6780
215	tggccaggcg	taagcggtcg	ggttgtctgc	cggccctgca	atggcactgg	aacccccagg	6840
216	cccagagga	cggcgtagcg	gtcgcaaac	atccggcccc	gtacaaatcg	gcgcggcgct	6900
217	gggtgatgac	ctgggtggaga	agttgaaggc	cgcgcaggcc	gccagcgggc	aacgcacatc	6960
218	ggcagaagca	cgccccgggt	aatcgctggc	agcggccgct	gatcgaatcc	gcaagaatc	7020
219	ccggcaaccg	ccggcagccg	gtgcgcctgc	gattaggaag	ccgcccagg	gcgacgagca	7080
220	accagatttt	ttcgttccga	tgtctatga	cgtgggcacc	cgcgatagtc	gcagcatcat	7140
221	ggacgtggcc	gttttccgtc	tgtcgaagcg	tgaccgacga	gctggcgagg	tgatccgcta	7200
222	cgagcttcca	gacgggcacg	tagaggtttc	cgcaggggcg	gccggcatgg	ccagtgtgtg	7260
223	ggattacgac	ctgggtactga	tggcggtttc	ccatctaacc	gaatccatga	accgataccg	7320
224	ggaaggggag	ggagacaagc	ccggccgcgt	gttccgtcca	cacgttgccg	acgtactcaa	7380
225	gttctgcccg	cgagccgatg	gcggaaagca	gaaagacgac	ctggtagaaa	cctgcattcg	7440
226	gttaaaccac	acgcacgttg	ccatgcagcg	tacgaagaag	gccagaagcg	gccgcctggt	7500
227	gacggtatcc	gagggtgaag	ccttgattag	ccgctacaag	atcgtaaaga	gcgaaaccgg	7560
228	gcggccggcg	tacatcgaga	tgcagctagc	tgattgggatg	taccgcgaga	tcacagaagg	7620
229	caagaaccgg	gacgtgctga	cggttcaccc	cgattacttt	ttgatcgatc	ccggcatcgg	7680
230	ccgttttctc	taccgcctgg	cacgcgcgcg	cgcaggcaag	gcagaagcca	gatggttgtt	7740
231	caagacgata	tacgaacgca	gtggcagcgc	cggagagttc	aagaagtctc	gtttcacctg	7800
232	gcgcaagctg	atcgggtcaa	atgacctgcc	ggagtacgat	ttgaaggagg	aggcggggca	7860
233	ggctggcccc	atcctagtca	tgcgctaccg	caacctgata	gagggcgagg	catccgcggg	7920
234	ttcctaattg	acggagcaga	tgctagggca	aattgcccta	gcaggggaaa	aaggctgaaa	7980
235	aggtctcttt	cctgtggata	gcacgtacat	tgggaaccca	aagccgtaca	ttgggaaccg	8040
236	gaacccgtac	attgggaacc	caaagccgta	cattgggaac	cggtcacaca	tgtaagtga	8100
237	tgatataaaa	gagaaaaaag	gcgatttttc	cgcctaaaa	tctttaaaa	ttattaaaa	8160
238	tcttaaaacc	cgccctggcc	gtgcataact	gtctggccag	cgcacagccg	aagagctgca	8220
239	aaaagcgcc	acccttcggt	cgtgcgctc	cctacgcccc	gccgcttcgc	gtcggcctat	8280
240	cgcggccgct	ggccgctcaa	aatggctgg	cctacggcca	ggcaatctac	cagggcgccg	8340
241	acaagccgcg	ccgtcgccac	tgcacggccg	gcgcccacat	caaggcacc	tgccctcgcg	8400
242	gtttcgggtg	tgacgggtga	aacctctgac	acatgcagct	cccggagacg	gtcacagctt	8460
243	gtctgtaagc	ggatgccggg	agcagacaag	cccgtcaggg	cgcgtcagcg	ggtgttggcg	8520
244	ggtgtcgggg	cgcagccatg	acccactcac	gtagcgatag	cggagtgtat	actggcttaa	8580
245	ctatgcggca	tcagagcaga	ttgtactgag	agtgaccat	atgcggtgtg	aaataccgca	8640

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/08/2003
PATENT APPLICATION: US/09/921,922A TIME: 09:22:18

Input Set : N:\Crf4\04072003\I921922A.raw
Output Set: N:\CRF4\04082003\I921922A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa. .

Seq#:8; N Pos. 1,10
Seq#:11; N Pos. 1,11

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY

DATE: 04/08/2003

PATENT APPLICATION: US/09/921,922A

TIME: 09:22:18

Input Set : N:\Crf4\04072003\I921922A.raw

Output Set: N:\CRF4\04082003\I921922A.raw

L:8 M:270 C: Current Application Number differs, Wrong Format

L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0